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June 5, 1962

Dr. I. Gray  
Department of Mining Geology  
Royal School of Mines  
Imperial College of Science  
and Technology  
London, England

Dear Dr. Gray:

I noted with interest your paper on the "Spectral Reflectivity of Ore Minerals" which appeared in Nature for July 23, 1960. In that note you refer to the forthcoming publication on the systematic study of spectral reflectivity; I would be grateful to you for the reference to, and if convenient a reprint of the paper if it has by now appeared in print.

May I impose on you further by asking whether you can site any literature at all on the reflectivity for transmission (in thin section) of ore minerals in the ultraviolet region of the spectrum. We are working on some instrumentation for the rapid scanning of small particles for characteristic features of UV absorption spectra and would be most interested to find any background information on the UV spectral properties of naturally occurring minerals. So far we have had the spectacular lack of success.

Yours sincerely,

Joshua Lederberg  
Professor of Genetics

JL/jc

Dr. I. Gray